NEWSNOC

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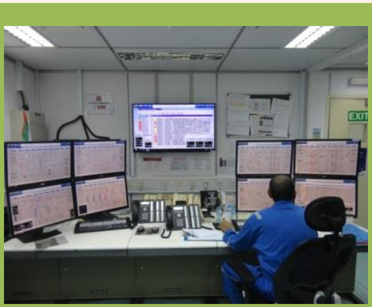

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Sharjah Developmental Plans by Crisis Management - NCEMA

Saif Al-Zari Al Shamsi, Commander-in-Chief of Sharjah Police, National Crisis Emergency & Management Authority (NCEMA) held a meeting at Sharjah Petroleum Council on September 26, 2018 with emergency, crisis & local disaster management to discuss developmental plans in the presence of members representing various Institutions & Governmental Departments in Sharjah.

During the meeting, many topics were discussed on schedule of work, ratification on decisions and recommendations from the previous meeting, reviewed topics on what was achieved, the formation of joint committee between Emergency Crisis & Local Disaster Team and the Ministry of Climate & Environment Change. The development of many plans were reviewed which supports the work.

In Session

New Silk Road CEO Award & The Gulf Intelligence Energy Market Forum

The New Silk Road CEO Award celebrates the pioneering industry leaders who are spearheading the transformation of energy trading across this ancient route which is literally changing the energy flow of world trade. Fujairah has been an active trader across these areas; and the 8th GI Energy Market Forum 2018 is themed ‘How to Navigate the New-Normal of Global Oil and Gas Trade Flows’. The Forum gathers leading figures from the world of energy trading, refining, storage, shipping as well as provides platforms for knowledge exchange with industry roundtables and leadership panels.

The CEO Awards & The Gulf Intelligence Energy Markets Forum provides key communication, positioning and networking activities. SNOC actively participates at the Awards & the Energy Market Forum. This year the Award & the Energy Forum was held in Fujairah on held on September 17 & 18, 2018.

Energy Market Forum

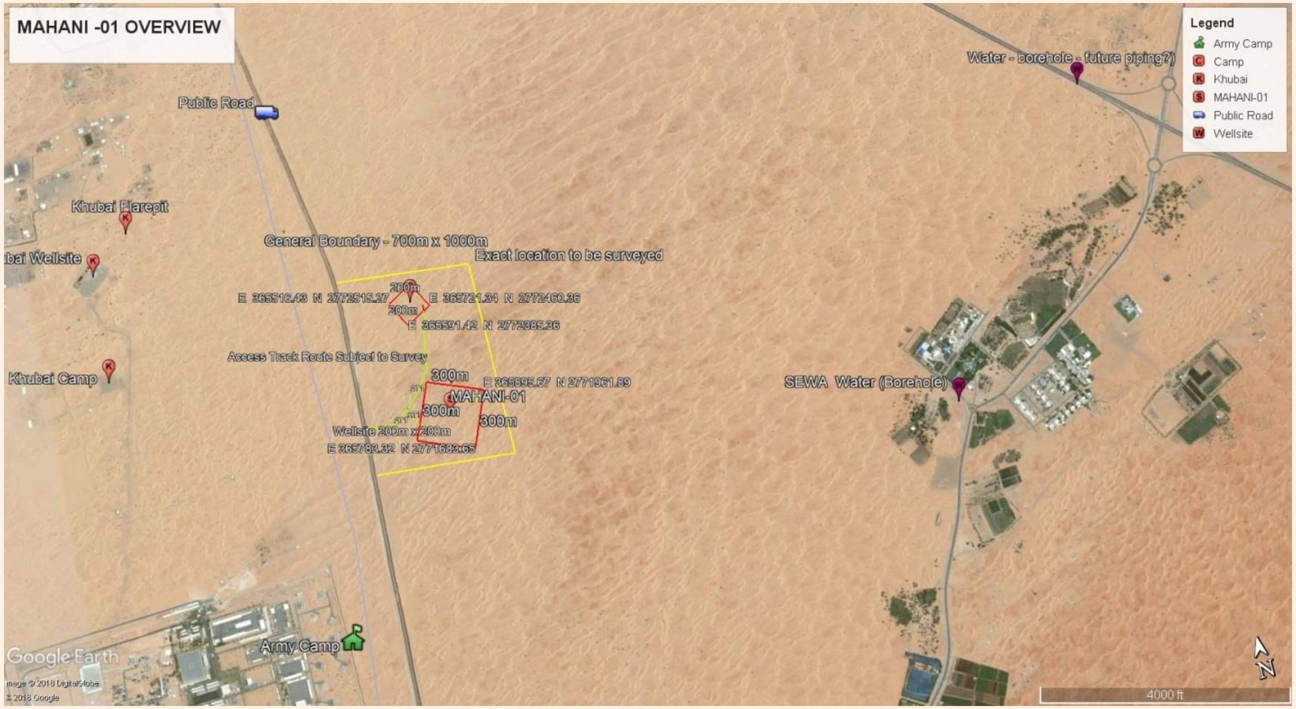
An Overview of MAHANI-01 Civil Enabling Work

MAHANI-01 Civil Enabling Works

SNOC new Exploration Well, MAHANI-01, is scheduled to be drilled in Q4 2018 and Q1 2019.

The drilling location is near Nazwa village in Al Madam district. It is in the desert, some 500m away from the nearest blacktop road. Before the well can be drilled, an access track and a well site must be constructed, to enable the drilling rig to be transported to the drilling location and the rig to be set up on site. A campsite for the workforce to live in is also required.

The map below shows the locality, our working area (inside the yellow rectangle) and the wel lsite area and camp area in (the red squares).



Map showing MAHANI-01 location. Nazwa village is to the right

An Overview of MAHANI-01 Civil Enabling Works

Exploration well construction requires SNOC to balance of a number of factors; construction time, construction cost, expected life of the project and environmental considerations.

For example, the well site must be strong enough to support a large dynamic load, but at the same time it must be built quickly enough to be ready before the drilling rig arrives and must not cost too much.

MAHANI-01 is built in a desert location

Sand Dunes range up to 10m high

Initially a temporary gate has been installed to the camel fence and an access track from the blacktop road to the well site and camp has been constructed.

Temporary Gate to MAHANI-01 Access Track

Constructing the Access Track

An Overview of MAHANI-01 Civil Enabling Work

The well site is the most important area. As an exploration well, it is a temporary structure, mostly comprising earthworks. Sand is leveled and compacted; then there are three layers of surface material:

- The first layer is geotextile - a manufactured material which looks like a blanket or carpet underlay. It is fast to lay, saving time, reduces the thickness of gravel required, saving money and adds great strength and stability to the ground. It also acts as an environmental barrier between natural material and imported materials used for surfacing.
- The second layer is load bearing sand – a sub base mix of sand, small gravel, and some clay.
- The third layer is crushed gravel- it is the surface course

These three layers combine to provide a firm surface, which will support the loads and strains from the drilling rig.

Cutting Dunes to level the well site area

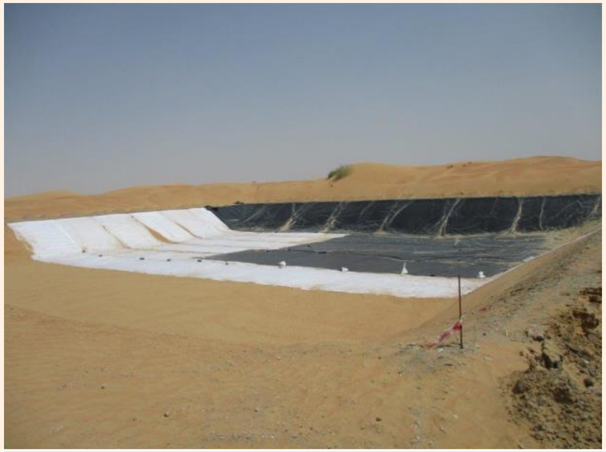
Cutting Dunes to level the well site area

An Overview of MAHANI-01 Civil Enabling Work

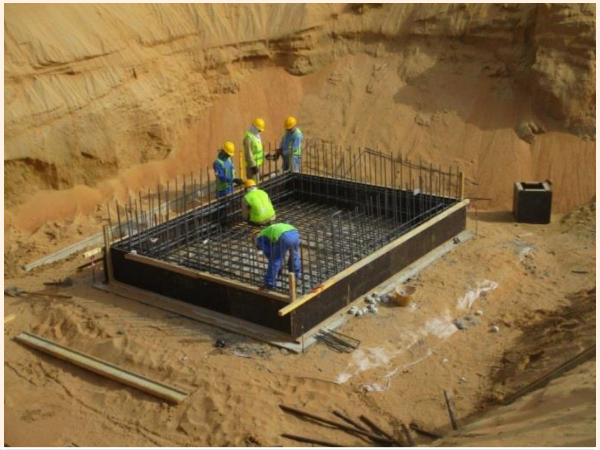
Laying Geotextile on leveled sand; then grading sub base sand mix material onto the geotextile

Laying top course of crushed aggregate onto the sub base sand mix material.

After that a concrete cellar is constructed; this is the area where the rig will drill. There are also various HDPE Lined pits for water and cuttings.



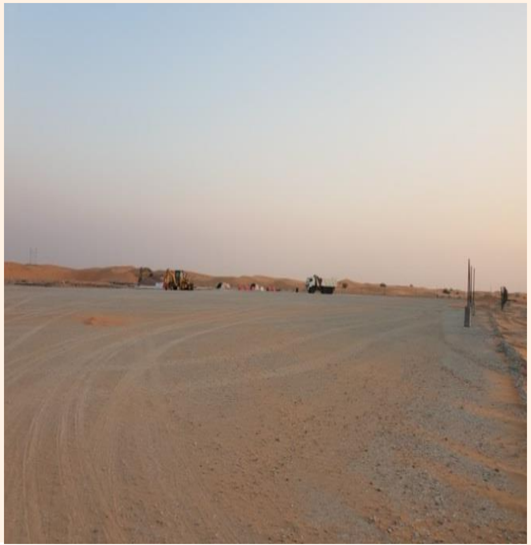
Constructing the water pit; excavating and shaping the ground; lining with geotextile; then installing HDPE



Constructing the cellar. Large excavation, pouring base concrete, erecting shuttering; tying rebar for the walls

An Overview of MAHANI-01 Civil Enabling Work

Completed Well Cellar



Final Surface on the Well Location

Work is continuing as this article is written; the conductor is being installed, well site surfacing, pit lining, minor road-works and fencing are all ongoing.

The conductor joint is 30” in diameter and 1” thick. The conductor is driven with a piling hammer through a guide into the center of the well cellar. Estimated driving depth is around 75 feet only.

Driving the conductor with a piling hammer is more economically than using the drilling rig. The conductor is set to prevent the unconsolidated shallow formations from wash outs or caving in. When the drilling rig arrives, the rig contractor will then connect a riser to the conductor, which allows them to circulate drilling mud through the conductor into their mud tank system. A 26” drill bit in then used to drill the first section of the well.

Till Huesecken (Drilling) - E&P

An Overview of MAHANI-01 Civil Enabling Work

Installing Fence Poles to the Well site

Preparing to drive the Conductor

Removing the Lifting Eyes from the Conductor

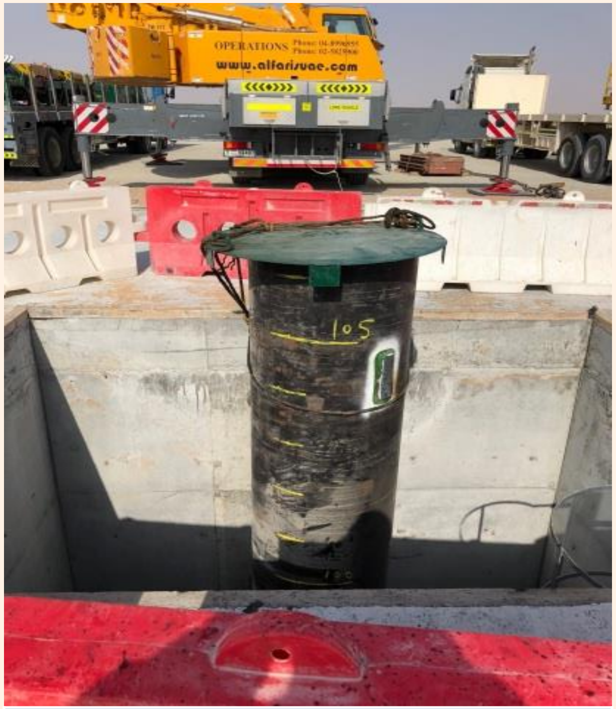
Hammering (Driving) in Action

An Overview of MAHANI-01 Civil Enabling Work

The driving of the conductor was successfully completed within two days on the 9th of October without incidents. The conductor was driven to 103 ft measured depth at the final blow rate of 250 blows per foot, which is similar to other offset wells.

The conductor was then cut 3ft above ground level and secured with a cap. Grating will be installed to secure the cellar.

Now the location and the conductor are awaiting the arrival of the drilling rig, which is planned to commence next month.



Conductor installation completed!

E&P Initiative For Enhancing Production Executed Coil Tubing Technology

2018 Coil Tubing Project has been completed safely and efficiently from 17th July – 1st Sept. 2018. The campaign was executed in 47 continuous days, 24 hours operation on 4 wells; 3 producers (S10, S8 & K3) and 1 injector (M4). This pilot project executed in 2018 by the Drilling Team was to prove the CT technology and its application in low pressure reservoir stimulation and plan for a wider field scale in coming years if the results are confirmed. This project is one of the Field Development Team's initiatives to enhance the production from existing wells.

During a study designed to identify quick potential production uplift across the SNOC assets, it was highlighted that some wells had produced for many years without either initial or subsequent stimulation. Typically in any carbonate reservoir over time there will be a transition of fines towards the producing intervals, which can create partial plugging or reduced permeability. Treatment with acid has been shown to dissolve both the fines and the formation such that near wellbore permeability can be improved, and assuming that the damage or plugging has occurred close to the wellbore, flow rates or injection rates will be increased.

After wells analyses and business case studies, it was agreed that Sajaa 8, Sajaa10, Kahaif 3 and Moveyeid 4 were chosen as well candidates for acid stimulation through coil tubing for 2018. However, typical stimulation could not be sanctioned due to the low reservoir pressures of the wells and the amount of liquids that would need to be pumped. Instead Halliburton, the incumbent coiled tubing providers, suggested a foamed acid with nitrogen pressure applied in the annulus to ensure the foamed acid in squeezed into the desired reservoir sections. Nitrogen was also used to assist in the lifting of the well during clean up after stimulation. Additionally an organic form of high temperature acid (HTA) would be used as part of the chemical make-up.

The primary objectives of the campaign were:

- To stimulate producing zones of candidate wells with acid conveyed through coiled tubing
- To increase production or injection by decreasing the pressure drop between the wellbore and formation
- To assemble the drilling team and gain momentum towards bigger upcoming projects like Hydraulic Workover and Drilling the Exploration well.

E&P Initiative For Enhancing Production Executed Coil Tubing Technology

So far the results on the production increment are positive for the 3 producers and excellent in M4 as injector with relatively short duration of test.

Some Campaign Highlights:

- Video conferencing for twice daily meetings set up between well sites, Sajaa Plant and Town office
- 15,192 man hours were spent on the project
- Safety target of 0 LTI and 0 incidents maintained
- 265 STOP cards were generated in 47 days from 25 on site personnel
- 20+ contractors involved in executing the operations
- NPT accounted for only 4% out of the 47 days of operation
- Final invoice 21% under approved budget

Work in Progress

Refining Existing Sajaa Gas Field - 3D Model

Jan Kaerstens, a Geology student from Germany, joined SNOC for a 2 months E&P Internship through the International Organization IAESTE.

The E&P team currently has a significant range of interesting projects. Jan's input towards refining the existing Sajaa Gas Field 3D Model, the first iteration of which was completed in May 2018, is greatly appreciated. The model includes well-data, acquired over the last 30+ years, comprising of a huge data set. Potential errors were noted in the model relating to formation top inputs.

Jan's main task is to cross-check the data between the tables, well completion reports and logs to identify where improvements can be made. Jan first used Petrel, a Reservoir Modeling Software, to identify areas to focus on. The use of such software is technically difficult and provides a great skill for his early career as a Geologist. He then used Library Data to make observations and corrections. These will then be used to regenerate an updated Geological Model with corrected input data.

This work will enhance layering within the model, potentially identify sub-seismic faulting observed during drilling and will allow flow units to better represent their physical representation. This will assist in future campaigns, such as identifying locations for infill drilling.

Jan Kaerstens

Siddharth Jain - E&P

Thirty Years Ago – The Most Severe LPG Disaster in History

At about 5:30 AM on November 19, 1984 there was a major fire and a series of explosions at a liquefied petroleum gas (LPG) storage and distribution terminal at San Juan Ixhuatepec, Mexico City, Mexico. There were approximately 600 fatalities, approximately 7,000 injuries, 200,000 people were evacuated, and the terminal was destroyed. The blasts were recorded on a seismometer 20 km (12.4 miles) away, and the largest blast registered 0.5 on the Richter scale. Most of the injuries and fatalities were in the surrounding community – people were living as close as 130 m (425 ft.) from the terminal.

The cause of the accident could not be definitively established because of the destruction of the facilities and absence of witness reports. It is believed that LPG leaked from a tank or pipeline into a walled enclosure. LPG vapors formed a flammable vapor cloud about 2 m (6.6 ft.) high.

The cloud was ignited, possibly by a ground flare.
There is evidence that some storage tanks in the facility may have been overfilled, leading to diversion of LPG flow to ground flares. The initiating release may have come from overfilling a tank or overpressure of one of the storage tanks.

Many causes contributed to the disaster, including the design of the terminal (for example, inadequate spacing of tanks, ineffective gas detection, lack of passive fire protection systems), destruction of the firefighting system by the explosions, improper maintenance of safety equipment, and a large number of people living close to the terminal.

Major Fire at San Juan Ixhuatepec in Mexico City

Thirty Years Ago – The Most Severe LPG Disaster in History

Did you know?

Although there were many facility design factors which contributed to the disaster, it is also reported that the local plant safety committee found a number of operational safety problems before the incident.

- Housekeeping was poor,
- 30-40% of safety devices including fire water spray systems, were inoperative or bypassed.
- A relief valve on an LPG receiving manifold was missing.
- Pressure gages were inaccurate and in poor condition.

What can you do?

- Understand the magnitude of a potential incident in your plant, and what safety systems are in place to prevent and mitigate the event.
- Report all failures of safety systems and equipment and ask your management to have them repaired.
- Check that all pressure relief devices are inspected and maintained as required by your plant's policy.
- Confer with your safety and production engineers to determine how to manage risk, including the possibility of shutting down, if critical safety equipment is not working properly.
- Remember that poor housekeeping in a plant is often a symptom of a poor safety culture. Take care of your plant and all of its equipment, especially safety equipment.

Take care of your Plant's Safety System and it will take care of you!

Note: Reference (s), AIChE 2014. CCPS Center of Chemical Process Safety
www.researchgate.net The tragedy of San Juanico-the most severe LPG disaster in history
www.revolvy.com San Juanico disaster

In-House Drilling Sessions for Non-Drillers

Since SNOC is planning to drill a deep exploration well again after many years, there was rising interest by a large number of colleagues to learn more about drilling. Naim Al Said, our Training & Development Lead therefore approached our Drilling Manager, Till Huesecken who offered to give an in-house training session "Drilling for Non-Drillers" to interested colleagues.

The first session was held in the new Drilling Team Meeting Room at Sajaa Plant on the 30th of July. All 20 seats in the meeting room were taken by interested colleagues who been selected by Naim and E&P members ready to learn about fundamentals in the drilling business.

Till prepared an interesting material, which covered the following topics:

- Basic introduction to drilling equipment and CTU & HWU
- SNOC field overview and location of the Exploration Well
- Challenge of well placements
- Directional Drilling and Geosteering – Optimizing the reservoir contact!
- Balancing the well – Well Control to prevent Blow Outs
- Importance of Drilling Fluids
- Knowledge Quiz

The session included several group exercises where for example the groups had to design a well profile by taping "spaghetti" on a poster shaping a well to reach the horizontal target. In the action some "spaghetti" got broken, but overall the team participated very well.

Masoud Al Hamadi - E&P

In-House Drilling Sessions for Non-Drillers

Since the first session was very successful, Till Huesecken was asked to give the same session to our colleagues in the town office. It was held on 20th of September and again all seats in the meeting room were taken by SNOC colleagues ready to learn about drilling. SPC was so kind to give us their meeting room which gave us plenty space for the session.

Same as our colleagues at the plant, the interest and participation was great. It must be said that our colleagues in the town office broke more “spaghettis”!

Masoud Al Hamadi - E&P

Clean Fresh Water at Sajaa Plant

New Reverse Osmosis Water Maker

We all know how essential water is to our daily operations here at Sajaa plant.

In August 2018 we saw the commissioning of M5201C RO Water Maker package. M5201C is an all new reverse osmosis water maker capable of taking 130,000 gallons per day of salty groundwater and turning it into 75,000 gallons of clean fresh water for the Sajaa asset. The package was manufactured here in Sharjah by Proxa and is same as the units currently being deployed in South Africa to combat Cape Town's notorious drought problems.

Like any success story there are always challenges to overcome. The commissioning of the Water Maker Package did not come easily. We had to schedule the installation of the package around other project works of equally importance at the most extreme summer conditions. At the end; we always prevail when we faced each life's challenges with positivity and great team work! The New Water Maker package was delivered on time within the budget with no water supply interruption!

Steve Young - Maintenance

Tips for Motor Vehicle Tires

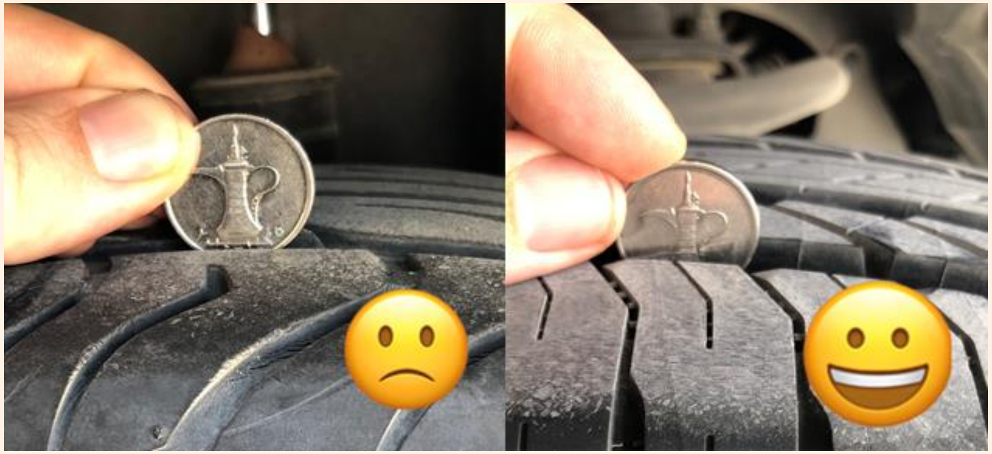
Steve Young

A tire or tyre is a ring-shaped component that surrounds a wheel's rim to transfer a vehicle's load from the axle through the wheel to the ground and to provide traction on the surface travelled over.

Several people have stopped by the Maintenance department asking "how will I know when to replace my tires". I recommend the following:

After 60,000km

- ✓ If the tire is more than 6 years old
- ✓ If the tire needs the air topped up more than once a month
- ✓ If there are any visible signs of damage on the side of the tire
- ✓ If the tread is worn below 3mm



Use a Dirham & Keep Smiling

A simple way to check tread wear is to use a 1 dirham coin.

Insert the coin as shown in the pictures across.

If you can see the bottom of the D'lha (teapot) then it's time to plan for a tire change.

Due to the sandy dusty conditions present in Sajaa, our advice is to replace your tires when they reach approximately 3mm of remaining tread depth rather than the, often quoted 1.6mm minimum. Since sand can't be compressed, you need enough tread depth to allow the sand to escape through the tire's grooves otherwise you risk losing traction and increasing stopping distances.

Sharjah LNG Import & Regasification Strategic Project

The Sharjah LNG import and regasification project is a strategic project aimed at closing the chronic gap in the supply of gas and providing a strategic solution for energy security. It avails Sharjah and the UAE at large with a new independent point of entry for gas, contributing to energy security and source diversification.

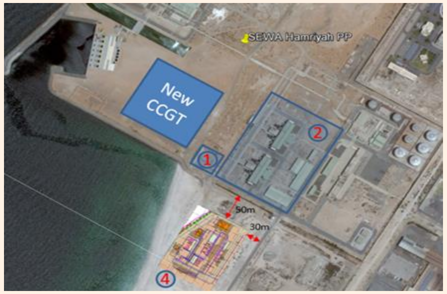
To implement this strategic project, SNOC has signed an MOU with the global energy company, Uniper, to form a joint venture.

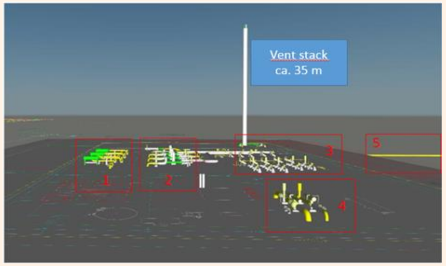
The feasibility study and FEED were completed in mid 2017 and April 2018 respectively, based on LNG import terminal at a location 18 Km offshore of Hamriyah connected to land via subsea pipeline in order to be able to receive LNG for storage, regasification and gas sendoff to Sharjah and potentially other northern Emirates, the use of a Floating Storage & Re-gasification Unit (FSRU) as LNG Terminal is planned. FSRU is considered for mooring the above location in approximately 25 meters water depth.

LNG carriers shall supply FRSU by STS (Ship-to-Ship) operations, i.e. both vessels will be moored alongside each other. Once the LNG has been re-gasified on board the FSRU, the gas will be routed to shore through an 18-kilometre long 26-inch subsea pipeline to the onshore facility. The onshore terminal facility shall be installed on the industrial beach adjacent to the existing SEWA power plant.

The following main activities are completed or in progress on the Project:

1.1 FSRU Mooring Concept: A Sub Sea Yoke (SSY) system has been selected for the Mooring of FSRU. Model tests have been conducted to ascertain the operational risks and design requirements
1.2 Marine and onshore Surveys: The surveys have been completed. See below details
1.3 Pipeline routing: Pipe routing has been selected as parallel to existing Dana Gas pipeline for which conceptual NOC has been obtained from Dana Gas.
1.4 Environmental Impact Assessment Study is almost completed as final document has been submitted to Sharjah Environment Authority for approval which is expected by end Oct.
1.5 EPC Tendering is in progress, Clarification meetings in progress. The main scope is the design and construction of offshore pipeline and onshore facility (mainly comprising pig launcher, filter/separator, meter skid, pressure regulation, ESD system, control stations, etc). The plot for onshore facility is already allocated by Sharjah Planning Department.
1.6 SSY & FSRU Chartering is also under negotiations, the selected FSRU provider shall install the SSY.
1.7 Permitting: Conceptual NOC has been requested from various stake holders. Some NOCs are already received while others are being discussed.





Sharjah LNG Import & Regasification Strategic Project

Marine & Onshore Surveys

As a part of LNG Import project, Marine surveys were conducted at the proposed onshore facility location, along the pipeline route and at the FSRU location.

The exciting campaign covered the following:

- Boreholes at the proposed FSRU location which were done by the DP2 vessel, Mac Griffin which took 22 days of round the clock operations, the work was completed successfully.
- BH & CPTs conducted along the pipeline route using the Self Elevated platform “Oceanus”.
- Geophysical & Bathymetric surveys were conducted along the pipeline corridor and around the proposed FSRU area in which Sea bed bathymetry, profile & imagery and subsea bed stratigraphy was surveyed.
- Acoustic Doppler Current Profiler (ADCP) device installed on the sea bed at the FSRU location to measure waves, tides & current data.
- Met station installed at Hamriyah port to measure wind speed and direction, atmospheric pressure, temperature, humidity & solar radiation
- Topographical survey conducted for the landfall and all onshore facility areas.
- Ground investigation surveys conducted at the Onshore facility area comprising of Boreholes, Test pits, CPT tests, CBR tests and ground water monitoring for six weeks.

The vessel Mac Griffin

Drilling on progress at the Vessel ‘Mac Griffin’

Vessel ‘Tuna Ann’ for Geophysical surveys

SEP ‘Oceanus’

ADCP deployment.

Onshore surveys CPT Rig

Onshore surveys BH drilling

SNOC Jetty Restoration

Project to repair the damaged portion of the jetty caused has started.

To repair the above, an independent consultant was hired to carry out the damage assessment.

EPC Tender was awarded in August 2018 and since then:

- Walkways have been shifted from Lamprell yard in Sajaa to Mubarak Marine fabrication yard for repairs.
- CP4 concrete structure was retrieved from sea bed.
- Old CP4 piles were cut 0.5 m below the sea bed level and retrieved by underwater cutting.
- Detailed Engineering and procurement are now in progress; the complete project is expected to complete by the end of December 2018.

Underwater cutting of CP4 Piles

Retrieval of CP4 & Piles

Walkways ready to be shifted for repair

Installation of Closed Drain Vessel Near Hanaho Pit

The current Closed Draining System (CDS) at the Sajaa plant feeds into the Hanaho Pit. The pit is of size 8 m x 8 m x 1 m and equals 64 m3 in volume. The pit comprises chambers, through which the oil separates from the water. The water is taken to a nearby evaporating pond while the oil is emptied out by Eco trucks of a maximum volume of 10,000 gallons (37.8 m3). Gas that enters the pit is currently discharged to the environment through spaces and voids in the pit shields. These metallic shields are placed on top of the pit to provide coverage to the system, deeming it a closed draining system.

Hanaho Pit

The following problems were identified and are to be resolved:

- High benzene levels in the area of the pit.
- Shields erupting out of place.
- Corrosion on the shields.
- Oil deposits observed in the evaporating pond.

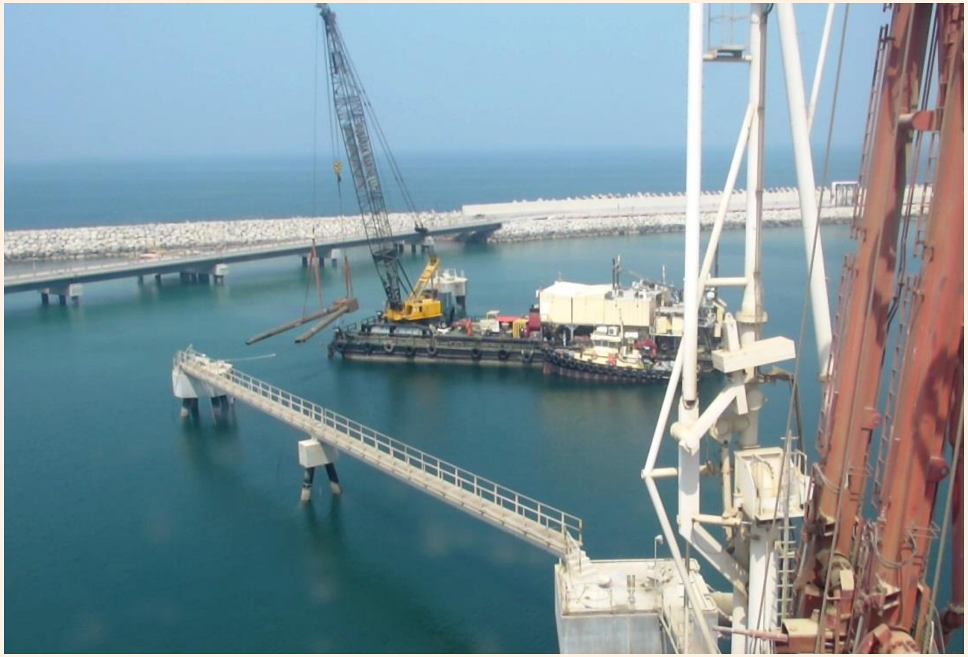
To overcome from the above, It is proposed to replace the existing Hanaho Pit with a new Closed Drain Vessel arrangement.

The Front End Engineering Design was completed by M/S Atkins on 2017. EPC contract was awarded to M/S Lamprell by Aug 2018. Envisaged site execution will be starting by 2nd week of November 2018 and completion by 3rd quarter of 2019. This is a new type closed drain system with a handling capacity of 60 m3, which will be installing in Sajaa asset at a depth of 7 meter near Hanaho pit.

A Busy Quarter for LPG Terminal Operations

The 3rd quarter has been a busy time for the LPG Terminal operations in terms of managing obsolescence equipment, inspection activities, repair works and engineering projects.

Here are a few critical activities that are worth highlighting.



LPG Jetty

C3 BOG K-3402

After several trips and rigorous troubleshooting with engineering, operations and maintenance; the C3 BOG K-3402 motor was repaired, installed back and returned to service and running at stable operations on manual mode until the control system is modified.

CUI at C3 & C4 loading lines

The issue of corrosion under insulation (CUI) on the C4 flow line from loading pumps to T-2102 (C4 Tank) which is being managed under ORA for quite some time was finally replaced with a new line closing one of the top asset risks in the risk register.

Jetty Restoration Project

After two years following a ship collision incident which has caused damaged to the jetty structure, the walkway and the marine dolphin the jetty restoration works has commenced. The project consists of two phases. Phase one was completed which consists of retrieving the damaged foundation, concrete blocks and walkway using a crane (see picture). The second phase which is the rebuilding of the damaged structure is expected to commence in November 2018.

LPG Terminal Team

A Collaborative Quarter for the Plant & Field Operations

The 3rd quarter brought about the completion of a number of high risks activities for the Plant and Field operations. Significant man hours completed without LTI (Lost-Time-Injury) is a remarkable achievement considering the involved manpower to complete important projects and activities.

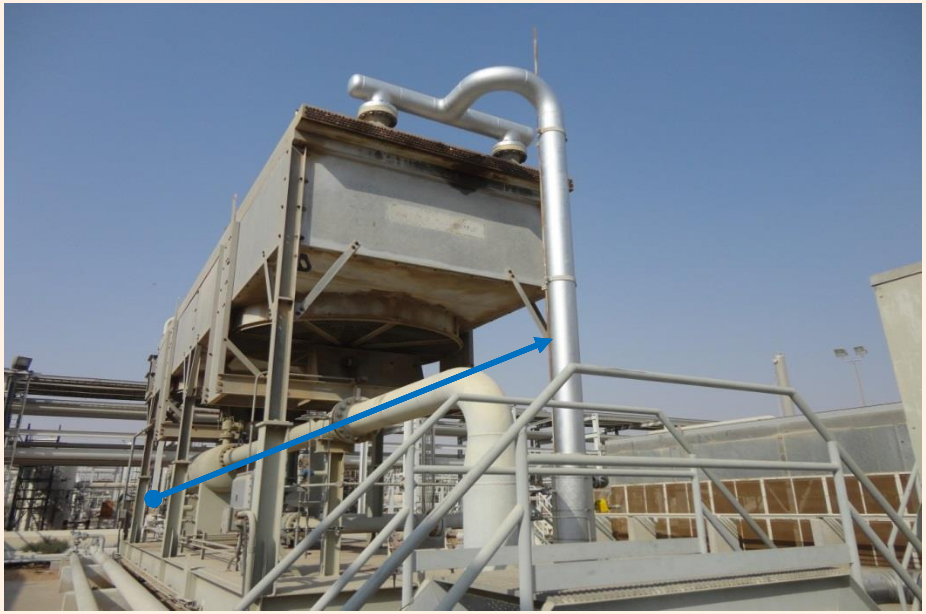
How this was achieved is something incredible when teamwork happens the way it is supposed to happen. Things change when everyone on the team is equally invested in the overall purpose and goal. You find yourself working faster, finding mistakes more easily, and innovating better. And that is something we can always be proud of as a team!

Simply put; collaboration is multiplication! We cannot accomplish all that we need to do without working together. With that said; the Operations - Plant & Field teams are proud to achieve and complete the following highly critical activities:

- The Shutdown of Z-102 to replace passing orbit valves
- The integrity inspection of E-201 exchanger
- The replacement of T-2000 outlet spool
- Centaur compressor C-101B discharge spool replacement
- DCS & Exaquantum upgrade by Yokogawa
- Replacement of 16” Moveyeid trunkline (corroded section)
- Coil Tubing – wells simulation activities at Sajaa, Moveyeid & Kahaif wells

Settling tank T-2000 Outlet Spool Replacement
(T-2000 corroded spool was replaced and tank returned to service in August 10, 2018)

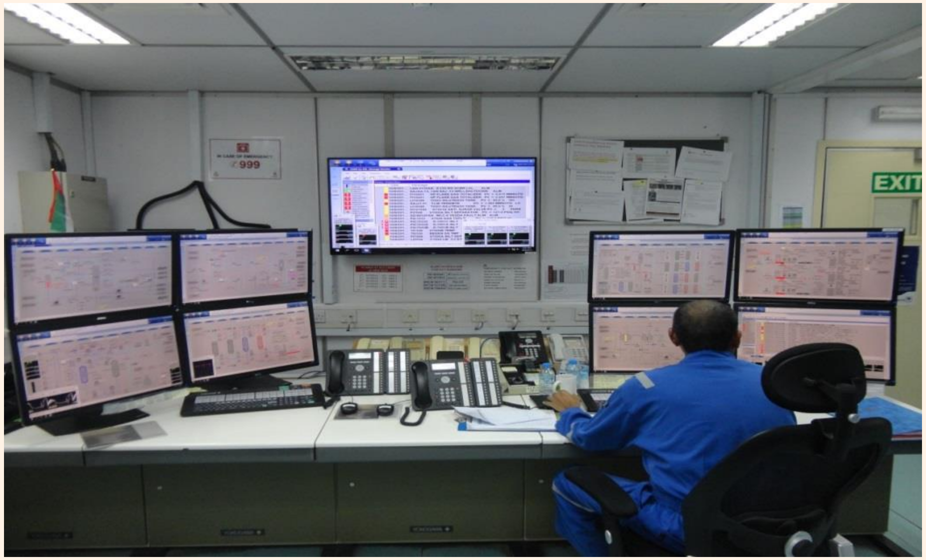
A Collaborative Quarter for the Plant & Field Operations



C-101B Sales Gas Compressor Discharge Spool Replacement

(This 10" diameter pipe spool line was replaced; compressor returned to service 23rd August 2018)

DCS & Exaquantum Controls upgrade with Yokogawa



A Collaborative Quarter for the Plant & Field Operations

16” Moveyeid Trunk Line modification works

(This was a SIMOPs activity consisting of ILI pigging and T-connection replacement works) Preparation started in July 19th and completed on 20th September 2018

Coil Tubing Project Completion at the Field

(A project initiated by the Field Development Team with the assistance from Operations in order to enhance the production from our existing wells. The pilot study was executed on Sajaa 8, Moveyeid 4 & Kahaif 3 wells)

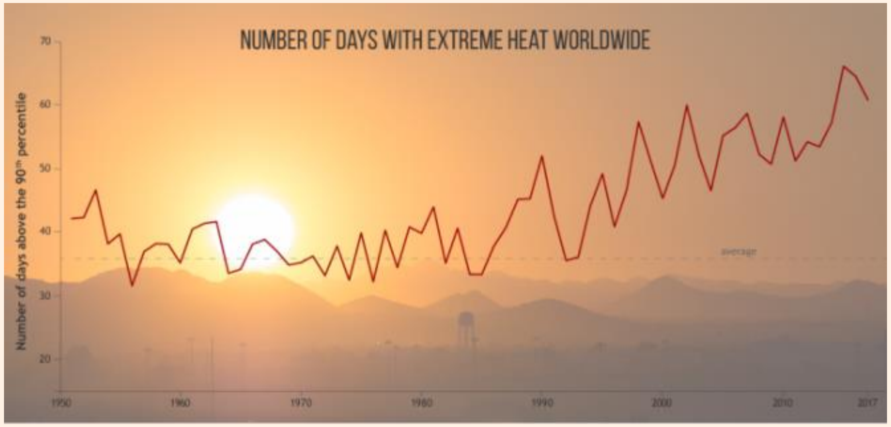
2017 Smashes Global Climate Record

Al Alam

Environmental News

Last year was the third or second warmest ever on record, with the planet also experiencing unprecedented sea level rises, greenhouse gas concentrations in the atmosphere, and Arctic sea ice loss.

That is according to the findings of 500 climate scientists from around the world, which show that only 2016 and 2015 could have had higher average global temperatures since records began in the mid- to late 1800s.



It was also found that 2017 was the hottest year ever to not feature the warming El Niño phenomenon, with Argentina, Uruguay, Spain, Mexico and Bulgaria all reporting record-high annual temperatures.

In a report overseen by the National Oceanic and Atmospheric Administration (NOAA), the scientists said the “remarkable” results also show that the growth rate of carbon dioxide in the atmosphere has nearly quadrupled since the early 1960s.

“The dominant greenhouse gases released into Earth’s atmosphere – carbon dioxide, methane, and nitrous oxide – increased once again in 2017, reaching new record highs,” the report says. "It was the warmest year not influenced by El Niño, as well as being warmer than any year before 2015”.

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It was found that 2017's average CO2 concentrations were the highest ever in the modern 38-year global climate records, as well as in records created from ice-core samples dating back as far as 800,000 years.

2017 Smashes Global Climate Record

Sea levels are approximately three inches higher than the 1993 average, and are now rising at a record-breaking rate of 1.2 inches per decade.

The findings also show that the maximum extent of Arctic sea ice coverage in 2017 was lower than at any point in 38 years, with the amount of September ice the eighth lowest on record and 25% less than the long-term average.

Antarctica also saw record-low sea ice coverage, which remained well below the 1981-2010 average, and fell to 811,000 square miles in March – the lowest recorded from daily satellite observations since 1978.

In addition, unprecedented multiyear coral reef bleaching starting in June 2014 continued to May 2017, resulting in more than 95% of coral dying in some affected reefs.

This come from a separate research that the world's oceans could become 75% more acidic by 2100 if global carbon emissions continue unabated, posing severe risks to marine life.

Cardiff University's Dr. Sindia Sosdian, said: “Our new geological record shows us that, on our current emission trajectory, oceanic conditions will be unlike marine ecosystems have experienced for the last 14 million years.”

Image credit: NOAA | iStock   Source: Transform_2Aug18

An Attractive Business Centre for LPG Players in UAE. A Milestone for SNOC

As we have safely commissioned the new LPG Truck Loading Facility, the commencement of new business becomes a great milestone for SNOC. Our new truck station becomes an attractive business centre for many LPG players within the UAE industries.

LPG Truck Loading Facility

Furthermore, SNOC's goal is to become one of the main player in the local market and at same time cater the shortfall of LPG in Sharjah and Northern Emirates. We are now gradually entering into the market and shall reach to maximum supplies in short term period.

Finally, we all should be proud of being part of this successful project and look forward for further expansion and stretching our business portfolio.

Inventory & Warehouse Management Training

As part of employees training & development, two of the PSCM Team Members have successfully completed the 40-Credit Hours Training and achieved their certificates this quarter.

Zahra Abdullah Sajwani has completed the course of ‘Strategic Procurement Master (SPM)’ while Shah Rehan Hanapi attended the ‘Certified International Procurement Professional (CIPP)’ class.

The trainings were conducted by M/s LEORON Professional Development Institute that offers a wide range of professional trainings in various disciplines.

All core trainings in 2018 have been selected in line with the PSCM Objectives in 2019 & beyond.

Congratulations To Zahra & Rehan !!

Why We Need Organizational Development

Organizations need to develop employees to ensure the performance can be sustained and improved. This requires learning needs to be identified, decisions to be made on the methods to meet those needs, and the establishment of the benefits or otherwise of investments in learning and interventions. Various individuals have different roles in ensuring that organization development needs are met.

Over the years the learning and development agenda has increasingly grown and gained prominence within organizations. One of the reasons for this is the continually expanding and competitive industry and marketplace within which organizations operate. The development of employees' Knowledge, Skills and Attitude (KSA) is essential in ensuring that organizations have a sustained competitive advantage, because this supports the ability to learn effectively and stay ahead of the competition.

It's useful to explore the purpose of a Learning Needs Analysis (LNA). Researches views LNA as the gathering of systematic information to assertion the KSA of employees which will enable the organization to identify current and future performance gaps and how to address these.

The gathering of information to explore learning needs can include both quantitative and quantitative data obtained via:

- Key performance indicators (KPIs)
- Workplace observation
- Outputs from performance score cards
- Recruitment and retention data
- Research interviews, such as satisfactions surveys

Unlocking Organizational Potential through Learning & Development - Part 1

HR Department coordinated and arranged number of soft skills training sessions for SNOC employees. With high satisfaction feedback, almost 1000 hours were delivered during the last three months only.

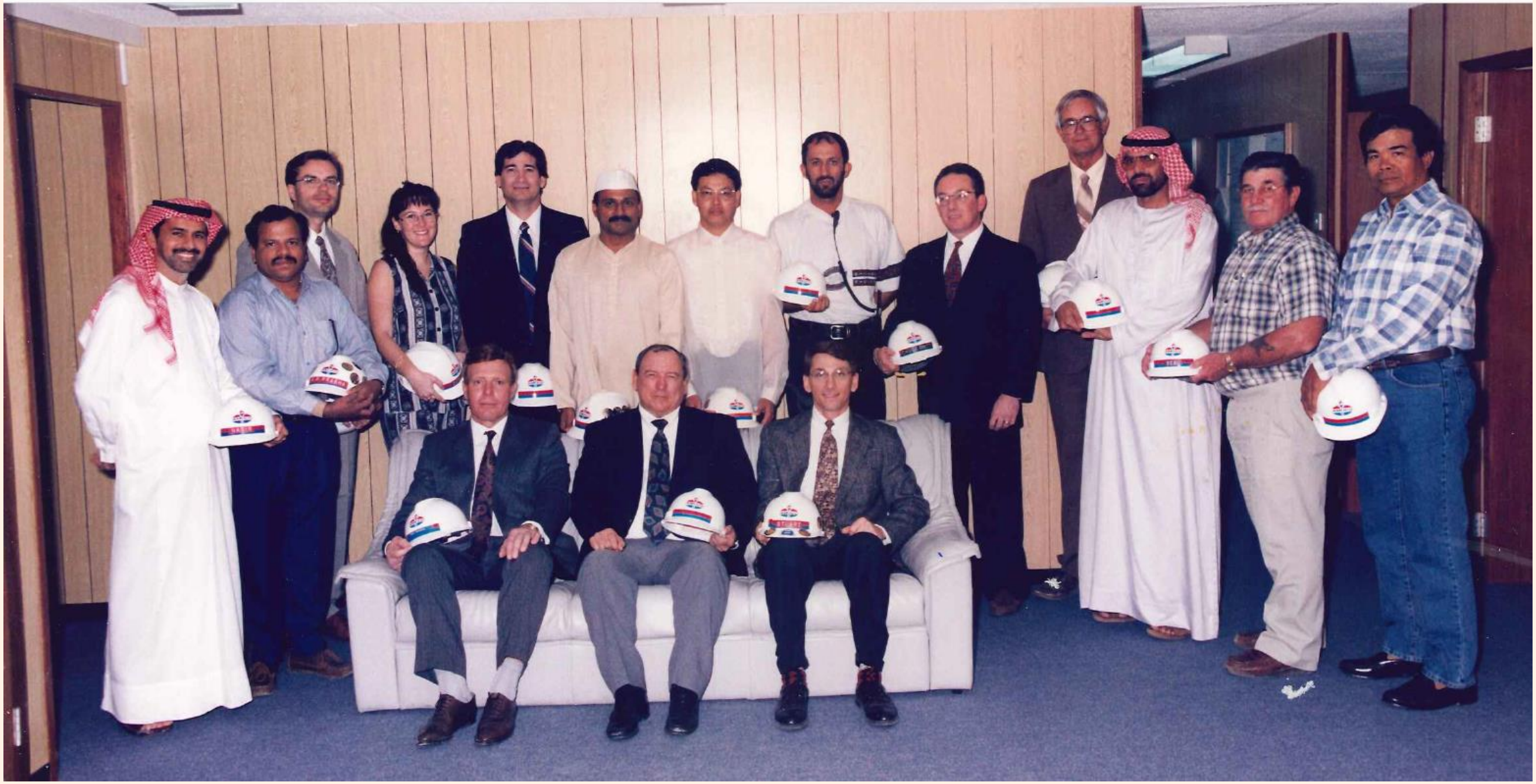
The training covered the following areas:

- Supervisory Skills.
- Emotional Intelligence.
- Design Thinking & Innovation.
- Positive Thinking & Interpersonal Skills.

Design Thinking & Innovation

Emotional Intelligence

Sweet Memories from the Past



Inlet Compression Phase 1 Project

Sitting from Left to Right: (1) Geoff Ferguson (2) Roger Hoofnagle (3) Stuart Rettie

Standing from Left to Right: (1) Nasir Akram (2) K. P. Prabhakaran (3) Brian Huber (4) Debbie Strachan (5) Terry Miglicco (6) Rajiv Chidambaran (7) Renato Robles (8) Mansoor Ahmed (9) Chuck Greco (10) Jerry Lilley (11) Omar8Hassan (12) Beau (13) Virgilio Quito

Team Bonding Time

Bowling is a unique game that's both a sport and recreational indulgence and is considered among the most widely played sports in the world. Breaking the monotony of daily routine some operations and HSE personnel took to the bowling rink for an evening of fun and camaraderie.

L-R: Ahmed Ibrahim, Ivan Lazarro, Reniel Aquino, Muamar Bayanan, Sonny Sanchez, Jarnie Albelda & Frank Hallig

First Aid Training Extended to SNOC Families

First aid knowledge is invaluable for both you as the individual and for your community. It enables you to assist persons who become injured in the event of an accident or emergency situation until help arrives. First aid skills can be applied at home, the workplace, or in public places, therefore the more First Aid certified people there are in a community, the safer the community becomes.

The importance of having certified first aiders in our community, particularly at home is often understated or rarely considered but actually, it extends to your family, friends, co-workers and even the community as a whole. As unpleasant as it is to talk about, accidents and emergency situations are not completely preventable or unavoidable and this can prevent minor ailments from being more serious.

HSE would like to take the opportunity to express its appreciation to all those who participated and to congratulate everyone for successfully completing the course provided by Cornerstone Health Department Center.

In Session

SN0C Family News

Congratulations & Best Wishes to Hamad Al Zarooni & his family on the birth of A Baby Girl

From SNOC Colleagues

Bidding Farewell

Pablito Medina

In September we said “paalam” to Senior Mechanic Pablito “Pabs” Medina who retired after completing a long and distinguished career here at the Sajaa Asset.

Pabs joined the asset in 1987 from the Kuwait National Petroleum Company and has proven himself a capable and resourceful member of the maintenance team with a real ability to stay cool and find solutions regardless of what the plant throws at him.

In retirement, Pabs will be busy with his new business venture, a prosthetic limb clinic, which he co-owns with his children. We wish Pabs all the best for his future adventure and are sure that the skills gained in Sajaa will come in handy and we see him stay a step ahead of the competition (ho ho ho!).

Send off Dinner

Maintenance Team

Happy Reading & Feedback Time

One Step before you exit

Send in your feedback to:

newsnoc@snoc.ae

or

Call on dedicated line
06-5199-702/767
NEWSNOC COMMITTEE

Thank You

HAPPY READING